README Document for Nimbus 5 ESMR Film Data ESMRN5IM

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Version 1.0

Emily Zamkoff

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1.0 Introduction

Nimbus 5 was launched on December 10, 1972.

The Nimbus-5 satellite continued research, development and testing of new meteorological sensors, systems and systems configurations to measure atmospheric temperature, water vapor and ozone. The spacecraft was designed and configured the same as all previous Nimbus satellites. The craft was placed in Sun-synchronous orbit and transmission of data from all of the experiments was completed as scheduled.

The launch date was December 10, 1972 and the operational period was over 10 years until it was deactivated on March 29, 1983.

2.0 Image Files

The ESMRN5IM data product contains scanned negatives of photofacsimile 70mm film strips from the Nimbus-5. The images contain orbital nighttime (3.5 to 4.1 microns) cloud cover of the Earth's surface temperature. Each orbital swath picture is gridded with geographic coordinates and covers a distance approximately from the north pole to the south pole. The images are saved as JPEG 2000 digital files. About 7 days of images are archived into a TAR file.

The ESMRN5IM images can be ordered online using the REVERB/ECHO tool. The URL is: http://reverb.echo.nasa.gov/reverb/#utf8=%E2%9C%93&spatial_map=satellite&spatial_type=rectangle&keywords=GES_DISC_ESMRN5IM_V001

The image files can be viewed with any application that supports the JPEG 2000 format.